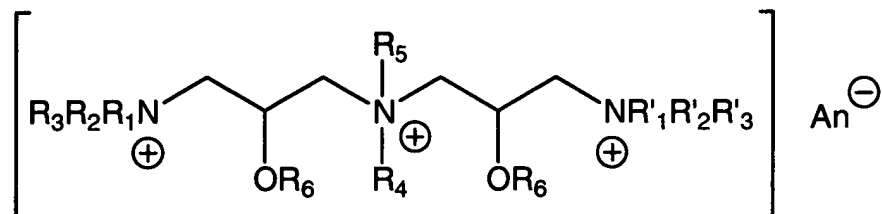
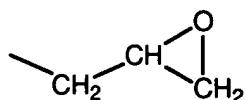


# ABSTRACT OF DISCLOSURE

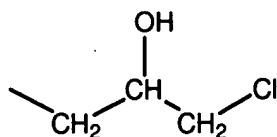
This invention pertains to novel multiple quaternary ammonium salts and their derivatives represented by the formula:



wherein each R<sub>1</sub>, R'<sub>1</sub>, R<sub>2</sub>, R'<sub>2</sub>, R<sub>3</sub>, R'<sub>3</sub>, R<sub>4</sub> or R<sub>5</sub> is independently selected from the group consisting alkyl, aryl, aralkyl and -CH<sub>2</sub>-CH(OR<sub>6</sub>)-CH<sub>2</sub>N<sup>+</sup>R<sub>1</sub>R<sub>2</sub>R<sub>3</sub>;  
wherein one or more R<sub>6</sub> group is selected from the group consisting of:

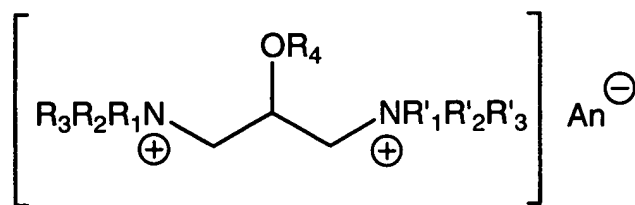


and

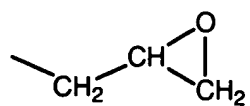


and wherein An<sup>-</sup> is an anion.

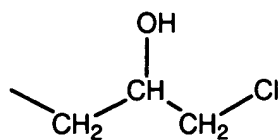
This invention also pertains to novel multiple quaternary ammonium salts and their derivatives represented by the formula:



wherein each R<sub>1</sub>, R'<sub>1</sub>, R<sub>2</sub>, R'<sub>2</sub>, R<sub>3</sub> or R'<sub>3</sub> group is independently selected from the group consisting of alkyl, aryl, aralkyl and -CH<sub>2</sub>-CH(OR<sub>4</sub>)-CH<sub>2</sub>N<sup>+</sup>R<sub>1</sub>R<sub>2</sub>R<sub>3</sub>;  
wherein one or more R<sub>4</sub> group is selected from the group consisting of:



and



and wherein An<sup>-</sup> is an anion.